

Title (en)

Coating compositions for use with an overcoated photoresist

Title (de)

Beschichtungszusammensetzungen zur Benutzung in einem beschichteten Photoresist

Title (fr)

Compositions de revêtement pour utilisation dans une photorésine revêtue

Publication

EP 1598702 A1 20051123 (EN)

Application

EP 05253017 A 20050517

Priority

US 57201304 P 20040518

Abstract (en)

Compositions (particularly antireflective coating compositions or "ARCs") are provided that can reduce reflection of exposing radiation from a substrate back into an overcoated photoresist layer and/or function as a planarizing or via-fill layer. More particularly, the invention relates to organic coating compositions, particularly antireflective coating compositions, that contain a polyester resin component that contains repeat units that comprise phenolic and/or hydroxyalkylcyanurate groups.

IPC 1-7

G03F 7/09

IPC 8 full level

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CPC (source: EP KR US)

G03F 7/091 (2013.01 - EP KR US); **G03F 7/11** (2013.01 - KR)

Citation (search report)

- [X] US 2004067437 A1 20040408 - WAYTON GERALD B [US], et al
- [DX] US 2003180559 A1 20030925 - WAYTON GERALD B [US], et al
- [X] US 5935760 A 19990810 - SHAO XIE [US], et al

Cited by

WO2010004378A1; US2012034562A1; US8927681B2; US8221965B2; US11493845B2; US8859673B2; US9063424B2; WO2008139320A3; WO2010043946A3; US8329387B2; US8507192B2

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